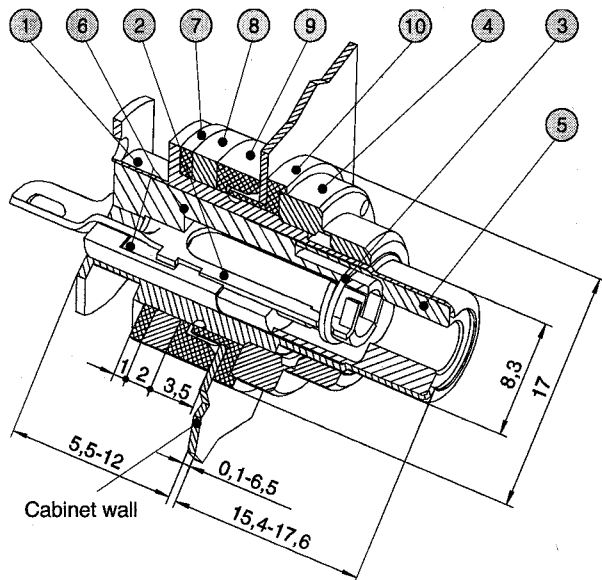


Drilling scheme (original size)

Table of contents

1	Base element	1
2	Internal socket with WBT double prism contact (WBT active spring principle)	1
3	Double-wrap spring lock washer, bronze	1
4	3-hole-counternut	1
5	Internal insulation, red or white PA	1
6	Internal dielectric, Teflon*	1
7	Space washer, PA, 1 mm	1
8	Space washer, PA, 2 mm	1
9	Step washer, PA, 3,5 mm	1
10	Double step washer with flate hole and tappet, PA, 4,6 mm, red or white	1

Extent of delivery : 1-10, all parts mounted

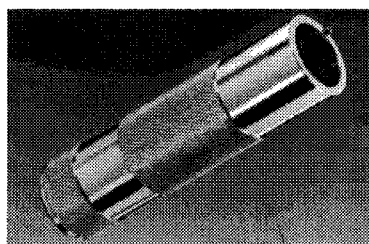
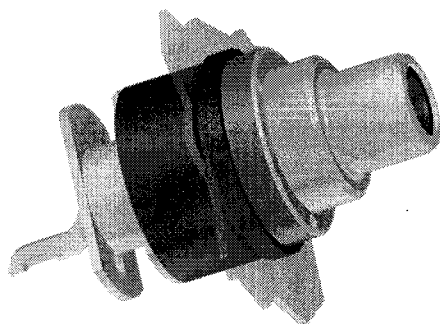
Revision date : 25.04.1997

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All dimensions in mm, values in brackets: inch

WBT-0244 Coaxial socket (RCA)

Coaxial socket for cabinet mounting, *soldering version*



Special mandrel tool WBT-0299

1. Mechanics

- single-segment, low-tolerance contact elements (tol.-less than ± 0.05 mm)
- external socket with solder lugs machined directly from basic element
- internal socket with double prism contact areas, WBT active spring mechanic with its double-wrap bronze spring lock washer; large spring travel for constant contact pressure even if counterpieces are imprecisely worked

2. Materials

- external socket made of highly ductile "OFC" copper alloy (52%)
- internal socket made of pure E-Cu (99.996%)
- internal insulating material: moulded Teflon* part
- external insulating material: polyamide 6

3. Surfaces

- external socket: WBT 24-carat gold-plating
Cu 1.5 μ m, Ni 8 μ m, Au 0.2 μ m
- internal socket: single-layer direct gold-plating with Au 0.25 μ m

4. Operating characteristics (reliably observed after more than 10^3 connections/disconnections)

- constant current $I_D > 40$ A
- contact resistance $R_C \leq 0.1$ mohms (loop, measured with WBT-0108)
- volume resistance $R_B \leq 0.05$ mohms
- self-capacitance $C \approx 6.3$ pF
- insulation resistance $R_{ISO} > 10^{10}$ ohms
- surge impedance (projective) $Z = 16$ ohms

5. Terminals

- soldering version, for cables up to 2.5 mm²

6. Mounting

- problem-free by hand using the knurled nut
- for series processing we recommend the special mandrel tool WBT-0299
- recommended distance of two socket centers: 17.78 mm = 7/10 inch (standard)